## Contents

Meetings/Events & Dept. News ........................................ 1  
Undergrad/Graduate Student News ............................. 3  
University News ...................................................... 5  

## DEPARTMENT NEWS

### EAPS COLLOQUIA

Amir Allam  
University of Utah  
**Thursday, September 14, 2017**  
3:30 PM  
HAMP 1252

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### EAPS PUBLICATIONS

https://doi.org/10.1016/j.rser.2017.08.073

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### EAPS MEETINGS & EVENTS

#### EAPS FACULTY MEETINGS

- **September 19, 2017**  
  3:00 PM  
  HAMP 3201
- **October 31, 2017**
- **December 5, 2017**  
  3:00 PM  
  HAMP 3201

#### CoS FALL FACULTY MEETINGS

- **September 26, 2017 (virtual)**  
  3:30 PM  
  LWSN 1142
- **November 28, 2017**

#### EAPS PRIMARY COMMITTEE MEETINGS

- **September 12, 2017**  
  3:00 PM  
  HAMP 3201
- **October 17, 2017**

#### BLACK AND GOLDEN JUBILEE

- **September 21-23, 2017**
EAPS FACULTY/STAFF RESOURCE FUND

Guidelines:

The EAPS Faculty and Staff Resource Fund provides faculty and full-time, permanent staff with a simple, open, and transparent way to request resources they need to be productive in their work. This is not intended to replace other sources (e.g. grants, discretionary accounts, and start-up, competitive programs on campus, and usual supplies and expenses), rather it is to meet occasional needs that are important for individual productivity and advancement in cases where these other sources are not available to an individual. Examples include professional development course tuition, office needs, and professional conferences.

Procedure:

Applications to the fund should be sent via email (as a pdf) to the Assistant Department Head. Requests must include the following items and not exceed one page.

- applicants name, position title, email address
- a detailed, one paragraph description of what is being requested
- a short explanation of how this will help the individual be productive in their work
- amount requested (this program will accept requests between $200 and $2,000)
- time constraints on what is being requested (e.g., a deadline for registration)

Request deadline is the 20th of each month. Decisions will be made by the 5th of the following month. All requests will be reviewed by a group including the Assistant Department Head, the Business Manager, and at least two members of the EAPS Executive Committee.

EAPS TECH DIGEST

Linux lab computers have been converted from Red Hat to Ubuntu. Please let Tomas Ratkus or Frank Bakhit know if you encounter any issues. If you have existing Red Hat PC we may have missed, please contact Frank or Tom to arrange a for time to upgrade. Please let Science IT know if you are still having trouble sending e-mail from home without having to use VPN. New PAL/Eduroam wireless access points have been installed along Northwestern.

Red Hat contract has been extended until early August 2018. This is to give campus time to transition to another Linux distribution. The plan is to be off of Red Hat by then.

If people are experiencing trouble sending e-mail from home or even while on campus, sender reputation based on subnet or even specific hosts IP on Purdue’s campus networks can be looked up here: https://goo.gl/wXRZpX

RCAC updated their /scratch policy. Purging will happen after 60 days of inactivity, as opposed to 90 in the past. This means that if someone has large amount of research input or output data stored in their scratch space, and hasn’t accessed it in two months, it will be irrecoverably deleted. This is fairly standard, but good to be aware of. https://www.rcac.purdue.edu/news/992

Some people may have noticed licensing issues with ENVI/IDL. This was due to ENVI being acquired by Harris Geospatial (previously owned by Exelis). License server manager’s claim that issues are resolved, but if you encounter issues, please let Frank or I know. The only iron-clad solution is to use owa.purdue.edu, at least until ITaP's messaging team fixes the IronPort issues.
Robert Wenger, Jr., Recruiter for ExxonMobil, will be on campus September 28 and 29 to interview students who are interested in careers in Exploration, Development, and/or Production. They will be interviewing outstanding students receiving a BS, MS or a PhD in Geology or Geophysics. See flyer for additional details.

Applicants are required to fill out an online application and post a copy of their resume and transcripts online at (www.exxonmobil.com/apply) one week prior to interviewing. To sign up for an interview time, please see Kathy Kincade in Room 2169D/HAMP (kkincade@purdue.edu).

In addition, Robert will also conduct a pre-interview presentation on Wednesday, September 27 at 5:00pm in Room 2201/HAMP.

GRAD STUDENT WORKSHOPS

The College of Agriculture and the Purdue University Libraries are offering a series of seminar-format workshops. The flyers for each set of offerings is attached, along with the topics. Some are coming up soon!!!! Registration for the Libraries series is required and can be accessed using https://ias.itap.purdue.edu/rgs/wgb_workshopdisp_online_workshop . Pizza is served on a first come basis at the College of Ag series.

The College of Science and the College of Engineering will be co-sponsoring an event on October 11. The details of the presentation entitled “Conveying Messages with Graphs” by Jean-luc Doumont are listed below. Registration will be required for this event, so mark your calendars and watch for future emails with a flyer and the registration information.

http://www.eaps.purdue.edu/
DOE OFFICE OF SCIENCE
ACCEPTING APPLICATIONS FOR SCGSR

The DOE Office of Science just announced that they are accepting applications for the SCGSR program.
https://science.energy.gov/wdts/scgsr/

This program provides a great opportunity for PhD students to collaborate with research staff at a DOE lab. If you have PhD students who are interested in participating they will need to complete the application and identify a lab in which they would like to work.

UNIVERSITY OF OKLAHOMA RESEARCH SCIENTIST

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Research Scientist position for its collaborative research with scientists in the National Severe Storms Laboratory (NSSL) in Norman, Oklahoma. The incumbend will contribute to NSSL’s Multi-Radar Multi-Sensor (MRMS) project: (https://www.nssl.noaa.gov/projects/mmms/). For additional information, please see attached.

2017 ESE SYMPOSIUM
COLLABORATION WITH DAWN OR DOOM

Debate Competition

This year’s ESE Symposium will feature a Debate Competition with topics related to climate change. In partnership with Purdue’s Petticrew Debate Forum, teams of two will defend and rebuke key topics on climate change related to economics, conflicts, alternative energy, and climate adaptation.

The first 16 teams to respond will get to compete in the preliminary rounds held on Tuesday, September 19th in Krannert Hall from 6-9 pm. The final four teams will compete the following Tuesday, September 26th from 1:30-3:30 in Stewart Center 214 ABCD. The winning team will win a cash prize of $300.

3 Minute Thesis Competition

The ESE Symposium Undergraduate, Master’s, and Ph.D. research students are invited to take part in the 3MT Competition on Tuesday, September 26, 2017. The subject of your presentation does NOT have to be directly related to the ESE Symposium theme.

Please email ese@purdue.edu if you have questions.

2017 ESE SYMPOSIUM
- Registration Now Open – Sept 25-27, 2017

Collaboration with Dawn or Doom

Keynote Speaker – Howard Bloom
“Fake News” Panel - Moderated by Quentin Hardy
Improvisational Comedy Lunch
Debate Competition, 3 Minute Thesis and Photo Contest – Registration OPEN

Photo Competition
ESE Symposium is holding a Photography Contest in which the top two entries will be awarded cash prizes, with the winner’s photograph being showcased at the Symposium itself.

Please email ese@purdue.edu if you have questions.

PURDUE LIBRARIES SEMINARS

The Purdue Libraries has worked with the Office of Undergraduate to offer a series of seminars that address many aspects of the student research experience. The biweekly sessions will be held in WALC 2007 from 6:30-7:30pm starting September 5th. In the first session, student researchers will discuss their experiences and answer questions.

Applications will be accepted between August 15 and November 1, 2017 for the 2018 program.

Please see attached flier for more details.
**FALL GK-12 PROGRAM INFORMATION FOR GRADS AND POSTDOCS**

GK-12: Engaging graduate students and post-docs in integrating and communicating their research in middle school classrooms “participating in GK12 was the single best decision I have made in my professional life and it will forever influence my career path in the future” (Purdue Grad Student) GK-12 is an exciting program organized through the Graduate School that gives Masters, Ph.D., and Post-doctoral students a mentored, in-depth opportunity to share their research with K-12 students and teachers in a local middle school. This provides graduate and Post-doctoral students with enhanced skills and experience in outreach, teaching, and communication of their research with diverse audiences. Past participants have found that it also makes them more competitive for academic and professional jobs.

After an initial training session, participants in the GK-12 program will learn from and assist teachers in a local middle school for approximately one day a week for 10 weeks, and by the end of the semester they will develop and teach a lesson based on their interests and research. This is an extension of a very successful externally-funded program that ran for several years, and has now been successfully transitioned to a graduate school program. While this program does not provide funding directly to the student or post doc, some modest funding is available for expenses associated with materials for in-class activities. Students may elect to register for 2 credit hours for their involvement, or simply do this program as a voluntary activity, and the program is open to all Masters, Ph.D., and Post-Doc students at Purdue (any and all disciplines).

For any additional questions or information please contact the program coordinator, Mohan Yang, at yang1178@purdue.edu. Jon Harbor, GK-12 Program Director.

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**CoS STAFF PROFESSIONAL DEVELOPMENT FUND**

It is time to request nominations for the Spring 2018 Staff Professional Development Fund. These applications should be for professional development opportunities that will take place during January through May. To apply, please completed the attached application and return it to me by **Monday, October 2**. A committee of fellow CoS staff members will then meet to evaluate the applications and make the final funding decisions.

In addition to the application, you will find the programs guidelines attached. Please remember that individuals are only eligible for one award per calendar year and be sure to complete the application fully – including a breakdown of the expenses being requested.

Please contact Angie Teel- teel@purdue.edu if you have any questions.

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**Esri DEVELOPMENT CENTER AT PURDUE**

Purdue Libraries is now hosting the Esri Development Center (EDC) program for GIS development. This is an invitation-only opportunity to provide special access to Esri’s training and support application platform. According to last year’s EDC survey, only 25 universities have established this partnership with Esri. As part of the EDC program, Purdue Libraries will sponsor the EDC GIS Development Contest, in which students participating in the EDC program will have the opportunity to compete for Esri “Student of the Year” Award. More information about the GIS Development Contest will be forthcoming. Stay tuned!

Here is the news release about Purdue EDC program:

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http://www.eaps.purdue.edu/
Here is the link to EDC homepage: https://www.lib.purdue.edu/gis/edc

Please feel free to contact: Nicole Kong, Ph.D. Assistant Professor, GIS Specialist Purdue University Libraries (765)496-9474 https://www.lib.purdue.edu/gis

DISCOVERY PARK CONFERENCE ON CONVERGENCE AND THE FUTURE OF RESEARCH

October 6, 2017
1:00-6:00 PM
Please visit: https://goo.gl/JGf7BA

See attached flier for more details

REMINDER: REPORTABLE OUTSIDE ACTIVITIES AND CONFLICT OF INTEREST REPORT

Faculty and staff are reminded that they are required to report outside activities and financial conflicts of interest in accordance with University policy. The policies on Conflicts of Commitment and Reportable Outside Activities (III.B.1) and Individual Financial Conflicts of Interest (III.B.2) are available on the University Policies website. All exempt faculty and staff, whether part-time or full-time, are required to report and obtain approval before they engage in any Reportable Outside Activities. In some situations, members of the clerical and service staff must also report outside activities. At the beginning of each fiscal year, employees also must report all activities in which they continue to participate, even if previous approval was granted. If an individual completed a form for activities in the 2016-17 fiscal year, that information will prepopulate the 2017-18 disclosure form and may be revised as necessary.

For more information, please visit: http://www.purdue.edu/newsroom/purduetoday/releases/2017/Q3/remind
IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter is used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well.

Those using paper copies of the newsletter should go to our newsletter archive on the EAPS website at http://www.eaps.purdue.edu/news/newsletters.html and Click on News to access active links as needed. Material for inclusion in the newsletter should be submitted to Fallon McQuem (fmcquem@purdue.edu) by 5:00pm on Thursday of each week for inclusion in the Monday issue.

If it is in the newsletter, we assume you know about it and no other reminders are needed. For answers to common technology questions and the latest updates from the EAPS Technology Support staff, please visit: http://www.eaps.purdue.edu/resources/information_technology/index.htm

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://www.EAPS.purdue.edu/events-calendar.html
Aug. 22    Ki-Hong Min, Kyungpook National University          Host: Sun
           Tuesday, 4:00PM, Room 2201/HAMP

Aug. 24    Roland Stull, University of British Columbia         Host: Tanamachi

Aug. 31    Tim Cronin, MIT                                      Host: Chavas

Sept. 7    Vince Agard, MIT                                    Host: Ridgway

Sept. 14   Amir Allan, University of Utah                      Host: Ridgway

Sept. 21   Ed Harvey, U.S. National Park Service, Water Resources Division
           Held in WALC, Room 2087         Host: Frisbee

Sept. 28   Shad O’Neel, USGS                                   Host: Elliott

Oct. 5     Devon Orme, University of Nevada, Las Vegas         Host: Ridgway

Oct. 12    Cliff Johnston, Purdue University

Oct. 19    Chanh Kieu, Indiana University                       Host: Chavas

Oct. 24    Zhou Lyu, PhD candidate                             Advisor: Zhuang
           Tuesday, 4:00PM, Room 2201/HAMP

Oct. 26    Julie Castillo-Rogez, Jet Propulsion Laboratory, NASA    Host: Minton

Oct. 31    Tong Yu, PhD candidate                               Advisor: Zhuang
           Tuesday, 4:00PM, Room 2201/HAMP

Nov. 2     Scott Collis, Argonne National Laboratory            Host: Tanamachi

Nov. 9     Jack Kaye, Earth Science Division, NASA               Host: Zhuang

Nov. 16    Xiangdong Zhang, University of Alaska, Fairbanks     Host: Zhuang

Nov. 30    Rossella Guerrieri, CREF, Univ. Autònoma de Barcelona Host: Michalski

Dec. 7     Sarah Feakins, University of Southern California      Host: Welp/Huber
The Denali fault zone is among the longest and oldest active strike-slip faults in the world; it has a total length of about 2000km and has been active with the current right-lateral motion since at least the Cretaceous. Although numerous geological and geochemical studies have targeted this important fault, the subsurface structure remains relatively unknown due to a dearth of geophysical data. Several outstanding questions remain: does the fault have a signature in the Moho or upper mantle? Are there persistent contrasts in across-fault velocity in the crust? What is the relative tectonic importance of the different fault strands?

I’ll present new seismic imaging results which combine three complementary datasets to provide the most accurate images to date of the Denali fault zone structure in the subsurface. Body wave tomography is sensitive to 3D volumetric changes in seismic velocity but smooths sharp boundaries, while teleseismic receiver functions and fault zone head waves are sensitive to horizontal and vertical boundaries respectively. The combined methods indicate that the Mohorovičić discontinuity is vertically offset by 10 to 15km along the central 600km of the Denali fault in the imaged region, with the northern side having shallower Moho depths around 30km. To the east, this offset follows the Totschunda fault rather than the eastern continuation of the Denali fault itself. This pronounced and consistent contrast in crustal and upper mantle structure, combined with decoupled plate motions measured on either side of the fault, suggests that the Denali fault system is a continental transform plate boundary similar to the San Andreas fault in Southern California or the North Anatolian fault in Turkey.
FALL 2017
Graduate Student and Post-doc Workshops & Presentations

Next Event:
Convert Your CV into a Resume
Tuesday, September 19 | 5:30 PM to 6:30 PM
Deans’ Auditorium, 2nd floor, Pfendler Hall
Sponsored by the College of Health and Human Services

Upcoming Events:
Networking and Elevator Pitch
Thursday, September 21
Sponsored by the Graduate School

Using Social Media Effectively
Wednesday, September 27
Sponsored by the College of Pharmacy

How to write a fellowship application
Thursday, October 12
Sponsored by the College of Liberal Arts

Interview Skills
Thursday, October 19
Sponsored by the College of Agriculture

Negotiation Skills
Wednesday, October 25
Sponsored by the Graduate School

All events will be 5:30-6:30 in the Deans Auditorium, Pfendler Hall

Pizza will be provided!
<table>
<thead>
<tr>
<th>Topic</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beyond “Finding it”: Learning through Information Literacy</td>
<td>8/15 @ 1pm</td>
<td>See your department head; co-hosted with CIE</td>
<td>Clarence Maybee</td>
<td></td>
</tr>
<tr>
<td>Data Management with NVivo</td>
<td>9/11 @ 10am</td>
<td>WALC GIS LAB ROOM 3045</td>
<td>Kendall Roark</td>
<td></td>
</tr>
<tr>
<td>Introduction to Citation Management</td>
<td>9/13 @ noon</td>
<td>HSSE CSC 142</td>
<td>Nastasia Johnson</td>
<td></td>
</tr>
<tr>
<td>Citation Management with EndNote Basic</td>
<td>9/14 @ 10am</td>
<td>HSSE CSC 142</td>
<td>Judy Nixon</td>
<td></td>
</tr>
<tr>
<td>Citation Management with Zotero</td>
<td>9/14 @ noon</td>
<td>WALC GIS LAB 3045</td>
<td>David Zwicky</td>
<td></td>
</tr>
<tr>
<td>How to Prepare for a Site Visit to an Archive Collection</td>
<td>9/25 @ 3pm</td>
<td>HSSE SWAIM ROOM 462</td>
<td>Rich Bernier &amp; Tracy Grimm</td>
<td></td>
</tr>
<tr>
<td>Managing Your Online Professional Identity</td>
<td>9/26 @ noon</td>
<td>PGSC 105B</td>
<td>Megan Sapp Nelson</td>
<td></td>
</tr>
<tr>
<td>Data Organization with Excel I</td>
<td>9/28 @ 10am</td>
<td>WALC-DATA VIZ ROOM 3049</td>
<td>Pete Pascuzzi</td>
<td></td>
</tr>
<tr>
<td>Intro to Data Management (formerly Data Management 1)</td>
<td>10/5 @ 3pm</td>
<td>WALC GIS LAB 3045</td>
<td>Bethany McGowan</td>
<td></td>
</tr>
<tr>
<td>EndNote Basic for Education Students</td>
<td>10/11 @ noon</td>
<td>BEERING ROOM 5180</td>
<td>Judy Nixon</td>
<td></td>
</tr>
<tr>
<td>Introduction to PURR (formerly Data Management 2)</td>
<td>10/12 @ noon</td>
<td>WALC GIS LAB ROOM 3045</td>
<td>Sandi Caldrone</td>
<td></td>
</tr>
<tr>
<td>Data Organization with Excel 2</td>
<td>10/12 @ 10am</td>
<td>WALC GIS LAB ROOM 3045</td>
<td>Pete Pascuzzi</td>
<td></td>
</tr>
<tr>
<td>Spatial Data Integration</td>
<td>10/18 @ noon</td>
<td>WALC-DATA VIZ ROOM 3049</td>
<td>Nicole Kong</td>
<td></td>
</tr>
<tr>
<td>Storage for Data Management &amp; Sharing (formerly Data Management 3)</td>
<td>10/19 @ 3pm</td>
<td>WALC GIS LAB ROOM 3045</td>
<td>Sandi Caldrone &amp; Natasha Johnson</td>
<td></td>
</tr>
<tr>
<td>Introduction to Systematic Reviews</td>
<td>10/23 @10am</td>
<td>WALC GIS LAB ROOM 3045</td>
<td>Jason Reed</td>
<td></td>
</tr>
<tr>
<td>Retaining Your Copyright</td>
<td>10/25 @ noon</td>
<td>HSSE CSC 142</td>
<td>Donna Ferullo</td>
<td></td>
</tr>
<tr>
<td>Data Hand-Off (formerly Data Management 4)</td>
<td>10/26 @ 10am</td>
<td>WALC GIS LAB ROOM 3045</td>
<td>Megan Sapp Nelson</td>
<td></td>
</tr>
<tr>
<td>Citation Management With Mendeley</td>
<td>10/31 @ 10am</td>
<td>WALC DATA VIZ ROOM 3049</td>
<td>NuRee Lee &amp; Ilana Stonebraker</td>
<td></td>
</tr>
<tr>
<td>Data Management with REDCap</td>
<td>11/6 @ 12noon</td>
<td>WALC GIS LAB ROOM 3045</td>
<td>Kendall Roark</td>
<td></td>
</tr>
<tr>
<td>Choosing Journals for Your Scholarly Works</td>
<td>11/14 @ 10am</td>
<td>PGSC 105B</td>
<td>Nina Collins</td>
<td></td>
</tr>
<tr>
<td>Citation Management with EndNote Desktop</td>
<td>11/15 @ noon</td>
<td>WALC GIS LAB ROOM 3045</td>
<td>Amy Van Epps</td>
<td></td>
</tr>
<tr>
<td>Citation Management with Zotero</td>
<td>11/15 @ 3pm</td>
<td>PGSC 105B</td>
<td>David Zwicky</td>
<td></td>
</tr>
</tbody>
</table>

G.R.I.P. (Graduate Research Information Program)

Open to all graduate students & post docs For info: guides.lib.purdue.edu/grip
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Location</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Productivity Hacks: Tools and How-tos</td>
<td>1/17 @ 10am</td>
<td>PGSC 105B</td>
<td>Natasha Johnson &amp; Heather Howard</td>
</tr>
<tr>
<td>Data Organization with Excel 1</td>
<td>1/23 @ noon</td>
<td>WALC</td>
<td>Pete Pascuzzi</td>
</tr>
<tr>
<td>Intro to Citation Management</td>
<td>1/25 @ noon</td>
<td>WALC</td>
<td>Nastasha Johnson</td>
</tr>
<tr>
<td>Citation Management with Zotero</td>
<td>2/5 @ 10am</td>
<td>WALC</td>
<td>David Zwicky</td>
</tr>
<tr>
<td>Citation Management with EndNote Basic</td>
<td>2/5 @ 3pm</td>
<td>PGSC 105B</td>
<td>Hal Kirkwood</td>
</tr>
<tr>
<td>The Data Analysis Mini-Hack Series with OpenRefine</td>
<td>2/6 @ 3pm</td>
<td>WALC</td>
<td>Bethany McGowan</td>
</tr>
<tr>
<td>Navigating the Archival Research Process</td>
<td>2/12 @ 3pm</td>
<td>HSSE</td>
<td>Adriana Harmeyer &amp; Carly Dearborn</td>
</tr>
<tr>
<td>Data Organization with Excel 2</td>
<td>2/13 @ noon</td>
<td>WALC</td>
<td>Pete Pascuzzi</td>
</tr>
<tr>
<td>The Data Analysis Mini-Hack Series with Voyant Tools</td>
<td>2/13 @ 3pm</td>
<td>WALC</td>
<td>Bethany McGowan</td>
</tr>
<tr>
<td>Systematic Reviews #2</td>
<td>2/15 @ noon</td>
<td>PGSC 105B</td>
<td>Jason Reed</td>
</tr>
<tr>
<td>Storage for Data Management and Sharing</td>
<td>2/20 @ 3pm</td>
<td>WALC</td>
<td>Sandi Caldrone &amp; Nastasha Johnson</td>
</tr>
<tr>
<td>The Data Analysis Mini-Hack Series with Gephi</td>
<td>2/20 @ 3pm</td>
<td>WALC</td>
<td>Bethany McGowan</td>
</tr>
<tr>
<td>Conducting a Literature Review</td>
<td>3/6 @ 2pm</td>
<td>PGSC 105B</td>
<td>Clarence Maybee &amp; Heather Howard</td>
</tr>
<tr>
<td>Citation Management with EndNote Desktop</td>
<td>3/8 @ 10am</td>
<td>PGSC 105B</td>
<td>Nastasha Johnson</td>
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<tr>
<td>Citation Management with Zotero</td>
<td>3/8 @ 3pm</td>
<td>PGSC 105B</td>
<td>David Zwicky</td>
</tr>
<tr>
<td>Deciding Where to Publish and Present</td>
<td>3/20 @ noon</td>
<td>PGSC 105B</td>
<td>David Zwicky &amp; Margaret Phillips</td>
</tr>
<tr>
<td>Citation Management With Mendeley</td>
<td>3/21 @ 3pm</td>
<td>WALC</td>
<td>NuRee Lee &amp; Ilana Stonebraker</td>
</tr>
<tr>
<td>Managing your Archival Research Assets</td>
<td>4/9 @ noon</td>
<td>HSSE</td>
<td>Neal Harmeyer &amp; Carly Dearborn</td>
</tr>
<tr>
<td>Data Preservation: Preserving Your Digital Research</td>
<td>4/11 @ noon</td>
<td>TBA</td>
<td>Carly Dearborn</td>
</tr>
<tr>
<td>Citation Management with BibTex</td>
<td>4/12 @ 10am</td>
<td>WALC</td>
<td>David Zwicky</td>
</tr>
</tbody>
</table>

G.R.I.P. (Graduate Research Information Program)

Open to all graduate students & post docs  For info: guides.lib.purdue.edu/grip
This symposium will seek to facilitate a discussion on shifting paradigms and sustainability goals in an increasingly complex socio-technological context.

Howard Bloom switched careers midlife from a music publicist to an author. He has written several very successful books on human evolution and group behavior, *The Genius of the Beast*, *Global Brain*, and *The Lucifer Principle: A Scientific Expedition into the Forces of History*.

**THREE MINUTE THESIS COMPETITION**
Tuesday, Sept. 26, 9:00 a.m. - 10:30 a.m.
Stewart Center Fowler Auditorium

**DEBATE COMPETITION**
Tuesday, Sept. 26, 1:30 p.m. - 3:30 p.m.
Stewart Center 214 ABCD

**FAKE NEWS PANEL**
Wednesday, Sept. 27, 10:30 a.m. - 11:30 a.m.
Stewart Center Fowler Auditorium

This event is FREE and OPEN to the public, thanks to our sponsors. The event dates are Sept. 25, 2017 to Sept. 27, 2017. The event is organized by Purdue University’s Ecological Sciences and Engineering Interdisciplinary Graduate Program. To get involved, please contact ese@purdue.edu. We look forward to seeing you there!

For more information go to [purdue.edu/gradschool/ese/symposium](http://purdue.edu/gradschool/ese/symposium) or [purdue.edu/dawnordoom](http://purdue.edu/dawnordoom)
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FUTURE TECHNOLOGY - RISKS AND REWARDS
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Opportunities for PhD research in planetary geoscience & planetary habitability

The planetary geoscience group at the University of Chicago (planetarygeoscience.uchicago.edu) currently consists of Edwin Kite (PI), Liam Steele (postdoc), Sam Holo and Megan Mansfield (graduate students), and Jonathan Sneed (Mars research assistant). We study solar system and exoplanet habitability. Funding has been secured to recruit additional graduate students. Applications are encouraged from prospective graduate students who would like to pursue research in one or more of the following three areas:

• **Early Mars - geologic proxies for paleoclimate (geology, stratigraphy, paleohydrology, geomorphology), climate modeling;**

• **Small-radius exoplanets;**

• **Ocean-hosting icy satellites.**

For more information about possible projects, please email Edwin Kite (PI): kite@uchicago.edu. Prospective graduate students should apply through the Department of Geophysical Sciences: http://geosci.uchicago.edu/academics/graduate-program-and-admissions/

The deadline for applications is **22 December, 2017.**

Planetary science research at the University of Chicago has approximately doubled in scope over the past 5 years (http://geosci.uchicago.edu/research/planetary-sciences-and-cosmochemistry/), and covers the full gamut of planetary science and exoplanet research:

Abbot group (climate theory)
Bean group (exoplanet observations)
Campbell group (planetary interiors)
Ciesla group (formation and early evolution of planetary systems)
Dauphas group (origins/cosmochemistry)
Davis group (stardust)
Fabrycky group (orbital dynamics, planet formation and dynamical evolution)
Heck group (meteorites)
Kite group (planetary geoscience & planetary habitability)
Konigl group (exoplanets)
Rogers group (interior structure and evolution of small-radius exoplanets)
T.C. Chamberlin Postdoctoral Fellowship Available

The Department of the Geophysical Sciences at The University of Chicago invites applications for the T.C. Chamberlin Postdoctoral Fellowship. We seek outstanding scientists who lead creative investigations into the nature of Earth and other planetary bodies – their physics, biology, chemistry, climate, and history – and who have a desire to participate in the broad intellectual life of the Department and the University. Start date is negotiable, with a target of October 2018. The initial term of the Fellowships will be one year, renewable for a second year. A competitive salary will be offered, plus benefits. Research funds are also available.

Applications should be received before 16 October 2017 to receive full consideration, and exceptional applicants will be contacted in November to schedule on-campus interviews in January 2018. Please email a single pdf file containing a CV, a 2-4 page research plan, and names and contact information for at least three references, to: chamberlin@geosci.uchicago.edu.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law.

For additional information please see the University's Notice of Nondiscrimination at http://www.uchicago.edu/about/non_discrimination_statement/.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-5671 or email ACOppAdministrator@uchicago.edu with their request.
ExxonMobil will be on Campus September 27-29, 2017 RECRUITING FOR GEOSCIENTISTS
Applicants are required to fill out an online application and post a copy of their resume on www.exxonmobil.com/apply one week prior to interviewing with our campus recruiter. Copies of transcripts should also be posted or brought to the interview. At this stage of the process, "unofficial" school versions of transcripts will be accepted as attachments to the online submittal. Download the Working at ExxonMobil app to learn more about ExxonMobil and career opportunities—available at iTunes or Google Play app stores.

The recruiter will conduct a pre-interview presentation on September 27. The time and location of the orientation will be designated by the Department.

Candidates for Regular Employment:

For those interested in careers in Exploration, Development and/or Production, we will be interviewing outstanding students receiving a BS, MS or a PhD in Geology or Geophysics. ExxonMobil is interested in finding outstanding candidates who have a strong fundamental background in the earth sciences, physical sciences, and mathematics. We have excellent proprietary capabilities in teaching petroleum science and technology, and therefore do not require new geoscientists to have any prior petroleum course work or experience. There is, however, a requirement for demonstrated leadership, business awareness, adaptability, teamwork, excellent communication skills in English, and a commitment to high safety and ethical standards. The company regards its global and long-term approach to hiring and career development as the foundation of its future success as a company, and as a source of great opportunity for geoscientists who want to grow their skills and capabilities for a long-term career.

For those interested in a career in Research, we will be interviewing outstanding students receiving a MS or PhD in Geology or Geophysics. Fundamental and applied research opportunities exist for applicants in three general areas:

- Hydrocarbon systems research includes, geochemistry, basin evolution, structural dynamics, petrophysics and geomechanics
- Reservoir performance prediction research includes controls on flow in clastic and carbonate reservoirs, geologic modeling and visualization
- Geophysics research includes advanced processing, acquisition, interpretation and modeling of seismic and other geophysical data

Research in all areas includes a significant component of field studies and takes advantage of state-of-the-art analytical and experimental laboratories and processing and numerical modeling capabilities.

For those interested in careers blending Geoscience and Computing, we will be interviewing graduate students receiving a MS degree in Geology or Geophysics who have an interest in computing.

Candidates for Internships:

ExxonMobil is dedicated to an ongoing recruiting program and our geoscience internship and recruiting short courses are the primary avenue we utilize to find qualified candidates. Internships (typically three months) and recruiting short courses are available year-round for students participating in BS, MS or PhD programs.

Internships are available throughout the year. Although we will give preference to those students graduating in 2017 or 2018, we will be happy to discuss career opportunities with other students as the interview schedule permits.

ELIGIBILITY INFORMATION APPLICABLE TO CANDIDATES FOR REGULAR AND INTERNSHIP EMPLOYMENT

Applicants must have the permanent right to work in the United States. Under very limited circumstances, visa sponsorship may be available for applicants with an MS with significant, relevant work experience and/or a PhD in certain research or geophysical specialty disciplines.

Applicants for internship must have the legal right to work in the U.S. during the period of the internship. If you are interested in regular U.S. employment after your internship, you must be able to meet the regular U.S. hiring criteria at the time of regular U.S. hiring.

Individuals who have authorization to work in countries where ExxonMobil has geoscience staff such as Angola, Nigeria, Europe, Malaysia, Indonesia, Russia, and the Middle Eastern countries, may be considered for employment by our affiliates in these locations and should sign up to interview for such employment. Students currently attending school in the U.S. who have authority to work in one of the above countries and are interested in these opportunities should utilize the www.exxonmobil.com/apply website.

ExxonMobil is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.
University of Oklahoma Research Scientist

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Research Scientist position for its collaborative research with scientists in the National Severe Storms Laboratory (NSSL) in Norman, Oklahoma. The incumbent will contribute to NSSL’s Multi-Radar Multi-Sensor (MRMS) project (http://www.nssl.noaa.gov/projects/mrms/).

Background

NSSL in collaboration with CIMMS has developed an operational Multi-Radar Multi-Sensor (MRMS) system that assimilates radar, rain gauge, lightning, satellite and atmospheric environmental data and generates 1-km and 2-min resolution severe weather and quantitative precipitation estimation (QPE) products. The high-resolution precipitation products are critical for flood/flash flood warnings and for water resource management.

The principal duties of this position are:

1) Develop and maintain a long-term analysis of record of high-resolution MRMS QPE products.
2) Analyze the long-term data record and study characteristics of flood/flash flood events and their impacts.
3) Develop and test algorithms for quantitative precipitation estimates and flash flood in the MRMS system.
4) Attend meetings and professional conferences to present research results and contribute to technical documents and scientific publications.

The minimum qualifications for the position are:

- A PhD in Meteorology, Atmospheric Science, Computer Science or related area.
- Emphasis will be placed on applicants with scientific programming experience on UNIX/Linux using a high-level language (e.g. C++, Java, Python) and/or applicants with some experience with machine learning.

Applicants should identify experience with analysis and interpretation of weather radar data. Excellent oral and written communication skills are highly desired.

Supervision will be provided by CIMMS staff. Technical oversight will be provided by CIMMS staff and NSSL Federal staff and management. This is a non-supervisory position, although the incumbent may serve as a leader of technical teams.

The beginning salary will be commensurate with experience and qualifications with University of Oklahoma benefits. Information on benefits may be found at https://hr.ou.edu/Employees/New-Employees-at-OU/OU-Benefits-Overview.

To apply for the position, please forward your resume, cover letter and list of three references to:

Tracy Reinke
Executive Director, Finance and Operations
University of Oklahoma CIMMS
120 David L. Boren Blvd., Suite 2100 Norman, OK 73072-7304
treinke@ou.edu
ATTN: MRMS September 2017